PHILOSOPHICAL MAGAZINE B, 1993, VOL. 68, NO. 6, 979–986

SUBJECT INDEX

Vol. 68

A indicates papers published in Part A
B indicates papers published in Part B
L indicates papers published in the Letters

	PAGE
Aboav's rule in a Voronoi partition	69 L
AgAsS glasses, photo properties of	81 L
Al, f.c.c. thallium inclusions in	131 L
Al, nanocrystalline	967 B
Al doped Si, twin boundary in	951 A
AlCoCu quasicrystal	225 L
AlCoNi quasicrystal, dislocations in	1033 A
AlCoTi alloy, microstructure of	517 A
$Al_{62}Cu_{20}Co_{15}Si_3$ quasicrystals, structure of	39 L
$Al_{75}Cu_{10}Cr_{15}$, twinning in	389 B
AlCuFe, icosahedral, dislocations in	273, 279 L
AlCu(Ru, Fe) quasicrystals, structure of	475 B
AlFeCu, transformations in	595 B
AlGaAs, donor states in	727 B
AlGe, structure of	513 B
Alkali halides, H centre migration in	1359 A
Alloy phases for binary hard-disc mixtures	85 B
AlMnPd, decagonal approximant of	697 B
AlMnPd quasicrystals, growth of	487 B
Al_2O_3, stacking-fault energies in	171 B
AlPdMg quasicrystals	123 L
AlPdMn phase diagram	607 B
AlPdMn quasicrystals, diffusion in	315 L
Al_3Ti alloys, dislocation dissociation in	81 A
Amorphization of NiZr diffusion couples	891 B
Amorphization of PdSi	833 B
Amorphous alloys, crystal growth from	813 B
Amorphous Si, transport in	203 B
Amorphous Si:H, oxidation of	29 B
Amorphous silicon, electrons and holes in	265 L
Amorphous silicon, hopping in	341 L
Amorphous systems, conductivity in	285 B
Amorphous $TbFe_2$ hydrides	883 B
Anderson transition, properties of	357 B
Antimonate electrolytes, Al in	787 B
Antimony doped tin oxide films	215 B
Antiphase boundaries in TiAl	13 L
Ar ion milling of II–VI semiconductors	1 L
AsS glasses, Raman studies of	551 B
Barrier films in antimonate electrolytes	787 B
Binary hard-disc mixtures	85 B
Binary ordered alloy, diffusion in	831 A
Binary ordered alloys, impurities in	677 B
Bipolaron model of high T_c superconductors	247 L
Bismuth oxide, thermopower in	787 A

	PAGE
$Bi_2Sr_2CaCu_2O_x$ superconductors	117 L
Bleaching of amorphous GeSe	73 L
BN films, microdiffraction of	939 B
Boron, diffusion of in Fe	99 L
C and N precipitates in TiAl	965 A
Cadmium sulphide deposited from ammonia	185 B
CaO, VO, and NiO, *ab initio* calculations of	653 A
Carbon films, diamond-like	167 L
Cavitation of glassy polymers	537 A
Cd and Co, dislocation relaxation in	1315 A
Cellular dislocations	1183 A
Cellular patterns, growth in	363 L
Ceramic interfaces, heteroepitaxial	565 A
Ceramics, damage in	1003 A
Ceramics, stresses in	35 A
(Ce, U)Al_2 alloys, studies of	653 B
Chalcogenide glasses, photo properties of	689 B
Chalcogenide glasses, photostructural changes in	561 B
Charge density in intermetallics	455 B
Charge density in TiAl	29 L
Chromium, electron charge distribution of	275 B
Chromium carbides, structure of	619 B
Clustered vacancy defects, formation of	843 A
Clusters, copper, simulations of	903 B
Co and Cd, dislocation relaxation in	1315 A
CoAg, preparation of	923 B
Coarsening cellular patterns, growth in	363 L
$Co_{48}Ga_{52}$, point defect elimination in	53 L
Coherent electron nanodiffraction	1055 A
Conductivity in amorphous systems	285 B
CoO, Ga-doped, defects in	747 A
Copper, deformation banding in	185 L
Copper, twist boundaries in	939 A
Copper clusters, simulation of	903 B
Copper oxide superconductors, resistivity of	245 L
Corundum, defect energies for	695 A
$CoSi_2$ on Si, properties of	413 B
CoSi/Si epitaxial system, defects in	1131, 1345 A
CoZr and CoHf, slip and dislocations in	401 A
Crack growth in SiN	283 L
Crack networks in thin films	63 L
CrC, metastable, structures of	619 B
Creep, high-temperature, dislocations in	113 A
Creep in AlCoCu quasicrystal	225 L
CrFe, spin glass and ferromagnetic phases of	539 B
Crystal growth from amorphous alloys	813 B
Cu alloys, nanocrystalline	825 B
CuBe, solute segregation in	1045 A
Cube dislocations in Fe_3Ge	977 A
CuCo, decomposition kinetics of	1195 A
CuCo f.c.c. metastable phase	957 B
CuFeCo bicrystals, grain boundaries in	137 A
CuPd, electrical resistivity in	137 L
Damage in ceramics	1003 A
Damping of dislocations at low frequencies	865 A
Decagonal $Al_{75}Cu_{10}Cr_{15}$, twinning in	389 B

PAGE

Decagonal approximant of AlMnPd . . . . . 697 B
Decomposition kinetics of CuCo . . . . . 1195 A
Defect creation in Si:H . . . . . 159 L
Defect energies for pure and doped corundum . . . . . 695 A
Defect scattering in crystals . . . . . 1 B
Defect structures in TiC . . . . . 325 A
Defects, fast electron diffraction of . . . . . 453 A
Defects in CoSi/Si epitaxial system . . . . . 1331, 1345 A
Defects in nanocrystalline PdH . . . . . 335 L
Defects in strained SiGe layers on Si . . . . . 59 A
Defects in TiAlNbMn . . . . . 289 L
Defects in transition metal oxides . . . . . 767 A
Deformation, dislocation stress fields for . . . . . 599 A
Deformation banding in copper . . . . . 185 L
Deformation of ferromagnetic materials . . . . . 1233 A
Deformation twinning in refractory alloys . . . . . 419 A
Deformation twinning in TiAlMnNb . . . . . 915 A
Deformation twins in TiAl . . . . . 471, 495 A
Deformed FeCo, order in . . . . . 327 L
Diamond, optical absorption of . . . . . 39 B
Diamond-like carbon films . . . . . 167 L
Diffusion controlled phase transitions . . . . . 891 A
Diffusion in a random alloy . . . . . 819 A
Diffusion in binary ordered alloys . . . . . 831 A
Diffusion of isotopes in oxide surfaces . . . . . 809 A
Diffusion of Mn in AlPdMn . . . . . 315 L
Disclination stresses in inhomogeneous media . . . . . 1215 A
Dislocation arrays, disordered stress in . . . . . 297 L
Dislocation configuration in TiAl . . . . . 237, 259 A
Dislocation damping at low frequencies . . . . . 865 A
Dislocation dissociation in Al_3Ti . . . . . 81 A
Dislocation drag in thin metals . . . . . 381 B
Dislocation loops in TiAlV alloys . . . . . 183 A
Dislocation mobility in ZnS . . . . . 97 A
Dislocation slip and intergranular sliding . . . . . 207 L
Dislocation stress fields for deformations . . . . . 599 A
Dislocations in AlCoTi . . . . . 517 A
Dislocations in GeSi/Si interfaces . . . . . 1251 A
Dislocations in high-temperature creep . . . . . 113 A
Dislocations in icosahedral AlCuFe . . . . . 273, 279 L
Dislocations in $MoSi_2$ . . . . . 1295 A
Dislocations in quasicrystals . . . . . 321 L
Dislocations in TiAl subboundaries . . . . . 21 L
Dislocations in YBCO . . . . . 19 A
Disordered CuPd, electrical properties of . . . . . 137 L
Disordered systems, hopping conductivity in . . . . . 47 B
Dispersive hopping transport, model of . . . . . 425 B
Dispersoids in oxide strengthened materials . . . . . 367 A
Displacement cascades in metals . . . . . 1165 A
Domain boundaries in Ni_3Ga . . . . . 107 L
Domain size modelling in YBCO . . . . . 17 B
Donor states in AlGaAs . . . . . 727 B

Edge dislocations in InGaAs heterostructures . . . . . 1273 A
Edge dislocations near inhomogeneities . . . . . 49 A
Elastic constants of KBr . . . . . 663 B
Elastic properties of MnNi . . . . . 437 B
Elastic properties of polycrystals . . . . . 575 A

	PAGE
Electroluminescence in ZnS:Mn	573 B
Electron charge distribution of Cr	275 B
Elliptic inhomogeneities, dislocations near	49 A
Evolution of grains in two-phase systems	1091 A
Fast electron diffraction of defects	453 A
Fault energies in Ni_3Al	305 A
Fe, diffusion of boron in	99 L
FeB, nucleation and growth in	869 B
FeCo, deformed, order in	327 L
FeCu, plastic deformation of	877 B
FeCuNbSiB, nanocrystalline	853, 861 B
Fe_2(Dy, Tb) Laves phase, plasticity of	871 A
Fe_3Ge, cube dislocations in	977 A
Ferromagnetic materials, deformation of	1233 A
Ferromagnetic nanocrystalline FeCuNbSiB	853, 861 B
Fibre-push-out test, friction and stress in	5 L
Fluorides, metal, self-development in	227 A
Fractal description of martensitics	885 A
Friction and stress in fibre-push-out test	5 L
Ga-doped CoO, defects in	747 A
GeSe, amorphous, bleaching of	73 L
GeSi/Si interfaces, dislocations in	1251 A
GeSnSeCu, photodarkening in	529 B
Glassy AgAsS, photo properties of	81 L
Glassy AsS, Raman studies of	551 B
Glassy chalcogenides, photo properties of	689 B
Glassy GeSnSeCu films	529 B
Grain boundary in NiAl	1151 A
Grain boundary precipitates in CuFeCo	137 A
Grain boundary sliding	1183 A
Grain boundary sliding in PbSn	201 L
Grain boundaries in NiBe	1039 A
Grain evolution in two-phase systems	1091 A
Grain growth, 2D, motion of vertices in	93 L
Grey–white tin interface	237 L
H centre migration in alkali halides	1359 A
Haematite, point defects in	725 A
Heavy-ion irradiation, planar defects from	1079 A
Helium bubble growth in Pd	257 L
Heteroepitaxial ceramic interfaces	565 A
$HgBa_2CaCu_2O_{6+\delta}$, superconductivity in	345 L
Hopping conduction in R-percolation	639 B
Hopping conductivity in disordered systems	47 B
Hopping transport, dispersive, model of	425 B
Hydrogenated silicon–carbon alloys	329 B
Icosahedral AlFeCu, phases in	595 B
Icosahedral AlMnPd, growth of	487 B
Imaging of surfaces in keV range	179 L
Indium, magnetoacoustic oscillations in	291 B
InGaAs and InP, ultra-thin buried layers in	121 A
InGaAs heterostructures, dislocations in	1273 A
InP and InGaAs, ultra-thin buried layers in	121 A
Interface melting in Pb embedded in Zn	215 L
Interface properties in SiH/SiCH multilayers	737 B

PAGE

Interfacial misfit, O-lattice analysis of . . . . . 279, 291 A
Intergranular sliding and dislocation slip . . . . . 207 L
Intermediate states in quasicrystals . . . . . 317 B
Intermetallics, charge density in . . . . . 455 B
Ion bombardment, surface reconstruction by . . . . . 231 B
Ionic hopping in solid electrolytes . . . . . 711 A
Ionic fluids in microporous ionic matrices . . . . . 357 L
Isothermal averaging in electrical transport . . . . . 7 B
Isotope effect in binary ordered alloys . . . . . 677 B

KBr, elastic constants of . . . . . 663 B
KTe, liquid, electrical properties of . . . . . 85 L

Lanthanum sulphide, structure of . . . . . 67 B
Liquid KTe, electrical properties of . . . . . 85 L
Lithium intercalation in metal oxides . . . . . 667 A
Loop formation in Ni . . . . . 381 A

Magnetic dipole in a superconductor . . . . . 713 B
Magnetism of UCu_2Ge_2 . . . . . 195 B
Magnetoacoustic oscillations in indium . . . . . 291 B
Magnetoresistance of CoSi . . . . . 923 B
Magnetostriction, theory of . . . . . 237 B
Martensitic NiAl, microtwins in . . . . . 1017 A
Martensitics, fractal description of . . . . . 885 A
Mechanical alloying of CuCo . . . . . 957 B
Metal oxides, lithium intercalation in . . . . . 667 A
Metal oxides, perovskite related . . . . . 641 A
Metallic melts, undercooled, viscosity of . . . . . 897 B
Metals, displacement cascades in . . . . . 1165 A
Metastable AlGe, structure of . . . . . 513 B
MgO, secondary-electron emission from . . . . . 145 L
Microporous ionic matrix for ionic fluids . . . . . 357 L
Misfit dislocations in SiGe layers . . . . . 357 L
Misfit dislocations in superalloys . . . . . 193 A
MnNi, antiferromagnetic, elasticity of . . . . . 437 B
MnO, VO, CaO, and NiO, *ab initio* calculations of . . . . . 653 A
Mobility in SiC:H with low C . . . . . 173 L
Molecular dynamics study of polyacetylene . . . . . 397 B
$MoSi_2$, dislocations in . . . . . 1295 A

$NaCuCO_2$, X-ray photoemission of . . . . . 153 L
Nanocrystalline Cu alloys . . . . . 825 B
Nanocrystal structure of FeCu . . . . . 877 B
Nanodiffraction, coherent electron . . . . . 1055 A
Ni, loop formation in . . . . . 381 A
Ni based superalloys, channels in . . . . . 1129 A
Ni_3Al, fault energies in . . . . . 305 A
NiAl, grain boundary in . . . . . 1151 A
NiAl, phase stability of . . . . . 845 B
Ni_3Al, screw dislocations in . . . . . 1097 A
NiAl martensite, microtwins in . . . . . 1017 A
$Ni_3(Al, Ti)$, superlattice dislocations in . . . . . 993 A
Ni_3Ga, domain boundaries in . . . . . 107 L
NiBe, grain boundaries in . . . . . 1039 A
NiO, CaO, VO and MnO, *ab initio* calculations of . . . . . 653 A
$NiSi_2$, twin boundary structures in . . . . . 151 A
$NiSi_2$/Si interfaces, atomic structure of . . . . . 605 A

	PAGE
NiTi, microstructure and properties of	349 A
Nitride films, microdiffraction of	939 B
Nitrogen doped a-SiC:H films	55 B
NiZr diffusion couples	891 B
Non-Fermi liquids, instabilities in	251 L
Non-stoichiometric Ta_2O_5-type oxides	633 A
Nucleation and growth in amorphous FeB	869 B
Nucleation models of recrystallization	115 B
O-lattice analyses of interfacial misfit	279, 291 A
Ordering in amorphous PdNiP	913 B
Oxide strengthened materials, dispersoids in	367 A
Oxide surfaces, diffusion of isotopes in	809 A
Oxide surfaces at finite temperature	799 A
Oxides of Ti and V, nanophases of	949 B
Oxygen in YBCO, microscopy of	1 A
Pb embedded in Zn	215 L
PbSn, grain-boundary sliding in	201 L
Pd, helium bubble growth in	257 L
PdH, nanocrystalline, defects in	335 L
PdNiP, amorphous, relaxation in	913 B
PdSi, amorphization of	833 B
Perovskite related metal oxides	641 A
Phase stability of NiAl	845 B
Phase transitions, diffusion controlled	891 A
Photoemission study of $NaCuO_2$	153 L
Photostructural changes in a-chalcogenides	561 B
Planar defects from heavy-ion irradiation	1079 A
Planar defects in TiAl	169 A
Plastic deformation in polyethylene	209 A
Plastic deformation of spherical bodies	191 L
Plastic damage in SiC single crystals	45 L
Plasticity of Fe_2(Dy, Tb) Laves phase	871 A
Platinum, specific heat in	223 B
Point defect elimination in $Co_{48}Ga_{52}$	53 L
Point defects in haematite	725 A
Polyacetylene, molecular dynamics in	397 B
Polycarbonate, terthiophene-doped, hopping in	753 B
Polycrystals, elastic properties of	575 A
Polyethylene, plastic deformation in	209 A
Polymers, glassy, cavitation of	537 A
Porous Si, structure of	353 L
Pulsed laser deposition of $CoSi_2$ on Si	413 B
Quasicrystal AlPdMg system	123 L
Quasicrystalline AlCoNi, dislocations in	1033 A
Quasicrystalline $Al_{62}Cu_{20}Co_{15}Si_3$, structure of	39 L
Quasicrystalline AlCu(Ru, Fe), structure of	475 B
Quasicrystalline AlPdMn phases	607 B
Quasicrystals, dislocations in	321 L
Quasicrystals, intermediate states in	317 B
Random alloy, diffusion in	819 A
Rare gas crystals, thermal conductivity of	767 B
Recrystallization, nucleation models of	115 B
Refractory alloys, deformation twinning in	419 A
R-percolation, hopping in	639 B
Rutile, twin boundaries in	309 L

PAGE

Scattering by defects in crystals . . . . . 1 B
Screw dislocations in Ni_3Al . . . . . 1097 A
Secondary electron emission from MgO . . . . . 145 L
Self-developing processes in metal fluorides . . . . . 227 A
Semiconductors, II–VI, Ar ion milling of . . . . . 1 L
Shear stresses in toughened ceramics . . . . . 35 A
Si, Al doped, twin boundary in . . . . . 951 A
Si, amorphous, transport in . . . . . 203 B
Si, Ge and Sn, diffusion of, in Ti . . . . . 901 A
Si, porous, structure of . . . . . 353 L
Si:H, amorphous, oxidation of . . . . . 29 B
Si:H, defect creation in . . . . . 159 L
SiC, plastic damage in . . . . . 45 L
SiC:H, amorphous and crystalline, IR of . . . . . 329 B
SiC:H, electron drift mobility in . . . . . 173 L
SiC:H doped films, photoconductivity of . . . . . 55 B
SiGe layers, misfit dislocations in . . . . . 195 L
SiGe layers on Si, defects in . . . . . 59 A
SiH/SiCH multilayers, properties of . . . . . 737 B
Silicon, amorphous, electrons and holes in . . . . . 265 L
Silicon, amorphous, hopping in . . . . . 341 B
SiN, subcritical crack growth in . . . . . 283 L
Slip and dislocations in CoZr and CoHf . . . . . 401 A
Solid electrolytes, ionic hopping in . . . . . 711 A
Solute segregation in Cu–Be . . . . . 1045 A
Specific heat in platinum . . . . . 223 B
Spherical bodies, plastic deformation of . . . . . 191 L
Spin glass and ferromagnetic phases of CrFe . . . . . 539 B
Spinodal decomposition in zirconia–yttria . . . . . 305 B
$SrTiO_3$ substrate for superconductor growth . . . . . 117 L
Stacking-fault energies in Al_2O_3 . . . . . 171 B
Stress fields in dislocation arrays . . . . . 297 L
Superalloys, Ni based, channels in . . . . . 1129 A
Superalloys, two phase, dislocations in . . . . . 193 A
Superconductivity, high T_c, bipolaron model of . . . . . 247 L
Superconductivity in $HgBa_2CaCu_2O_{6+\delta}$ . . . . . 345 L
Superconductivity in ZrCe . . . . . 231 L
Superconductor, magnetic dipole in . . . . . 713 B
Superconductor instability in non-Fermi liquids . . . . . 251 L
Superconductors, copper oxide, resistivity of . . . . . 245 L
Superlattice dislocations in $Ni_3(Al, Ti)$ . . . . . 993 A
Superlattices in weak beam microscopy . . . . . 525 A
Surface reconstruction by ion bombardment . . . . . 231 B
Surfaces, imaging of in keV range . . . . . 179 L

Ta_2O_5 structure, oxides with . . . . . 633 A
TbDyFe, magnetostriction in . . . . . 237 B
$TbFe_2$ hydrides, magnetic properties of . . . . . 883 B
Terthiophene-doped polycarbonates . . . . . 753 B
Tessellation, Voronoi, 2D . . . . . 149 B
Thallium, f.c.c., in Al . . . . . 131 L
Thermal conductivity of rare gas crystals . . . . . 767 B
Thin films, crack networks in . . . . . 63 L
Thin metals, dislocation drag in . . . . . 381 B
Ti, Si, Ge, Sn diffusion in . . . . . 901 A
TiAl, antiphase boundaries in . . . . . 13 L
TiAl, C and N precipitates in . . . . . 965 A
TiAl, charge density in . . . . . 29 L

	PAGE
TiAl, deformation twins in	471, 495 A
TiAl, planar defects in	169 A
TiAl alloys, dislocation configuration in	237, 259 A
TiAl subboundaries, dislocations in	21 L
TiAlMnNb, deformation twinning in	915 A
TiAlNbMn, defect analysis in	289 L
TiAlV alloys, dislocation loops in	183 A
TiC, defect structures in	325 A
Tin, grey–white interface	237 L
Tin oxide doped with antimony	215 B
Titanium films, twins in	587 A
Transition metal oxides, defects in	767 A
Transition metal oxides, intercalation in	677 A
Transport at low and high fields	7 B
Twin boundary structures in $NiSi_2$	151 A
Twin boundaries in rutile	309 L
Twins in titanium thin films	587 A
Twist boundaries in copper bicrystals	939 A
UCu_2Ge_2, magnetism of	195 B
Uranium oxides, intercalation in	677 A
Vacancy defects, clustered, formation of	843 A
Vertices, motion of in 2D grain growth	93 L
Viscosity of undercooled metallic melts	897 B
VO, CaO, MnO and NiO, *ab initio* calculations of	653 A
Voronoi partition, Aboav's rule in	69 L
Voronoi tessellation, 2D	149 B
VTi oxide particles, nanophase	949 B
Weak beam microscopy, superlattices in	525 A
Wedge disclination stresses	1215 A
YBCO, dislocations in	19 A
YBCO, domain size modelling in	17 B
YBCO on MgO, microscopy of	1 A
Zirconia–yttria, spinodal decomposition in	305 B
ZnS, dislocation mobility in	97 A
ZnS : Mn, conduction in	465 B
ZnS : Mn electroluminescence in	573 B
ZrCe, superconductivity in	231 L

PHILOSOPHICAL MAGAZINE B, 1993, VOL. 68, NO. 6, 987–1001

INDEX OF AUTHORS (with titles)

Vol. 68

A indicates papers published in Part A
B indicates papers published in Part B
L indicates papers published in the Letters

PAGE

Abell, J. S., *see* Rand, M.
Adriaenssens, G. J., *see* Öktü, Ö.
Aguillon-Levillain, C., *see* Gu, H.
Albertini, G., Carsughi, F., Casale, C., Fiori, F., La Monaca, A., and Musci, M.: X-ray and neutron small-angle scattering. Investigation of nanophase vanadium–titanium oxide particles . . . . . 949 B
Allan, N. L., *see* Mackrodt, W. C.
Allia, P., Baricco, M., Knobel, M., Tiberto, P., and Vinai, F.: Nanocrystalline $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ obtained by direct-current Joule heating. Magnetic and mechanical properties . . . . . 853 B
Amarendra, G., *see* Rajaraman, R.
Andersen, H. H., *see* Johnson, E.
Anstis, G. R., *see* Wilkinson, A. J.
Antisari, M. V., *see* Mazzone, G.
Antoniadis, H., *see* Devlen, R. I.
Aprà, E., *see* Mackrodt, W. C.
Argon, A. S., *see* Mott, P. H.
Aride, J., *see* Sassi, O.
Arkhipov, V. I., and Bässler, H.: An adiabatic model of dispersive hopping transport. I. General results for weak-field drift and diffusion . . . . . 425 B
Armstrong, R. W., *see* Jagannadham, K.
Asai, J., *see* Nakajima, H.
Asano, T., *see* Santa Cruz, C.
Audier, M., Durand-Charre, M., and de Boissieu, M.: AlPdMn phase diagram in the region of quasicrystalline phases . . . . . 607 B
Audier, M., *see* Menguy, N.
Averback, R. S., *see* Höfler, H. J.
Aylett, M. R., *see* Grigorieff, N.

Bacon, D. J., *see* Kapinos, V. G.
Baker, I., *see* Zhao, L.
Balatsky, A. V.: Superconducting instability in a non-Fermi liquid: scaling approach 251 L
Ball, R. G. J.: Computer simulation studies of alkali and alkaline-earth metal intercalation into uranium oxides . . . . . 677 A
Baltá Calleja, F. J., *see* Santa Cruz, C.
Baranovskii, S. D., *see* Öktü, Ö.
Baricco, M., Cowlam, N., Schiffini, L., Macrí, P. P., Frattini, R., and Enzo, S.: Copper–cobalt f.c.c. metastable phase prepared by mechanical alloying . . . . 957 B
Baricco, M., *see* Allia, P.
Baricco, M., *see* Battezzati, L.
Barinov, V. A., *see* Yermakov, A. Ye.
Bässler, H., *see* Arkhipov, V. I.
Battezzati, L., and Baricco, M.: Growth of crystals from amorphous alloys . . 813 B
Baudelet, B., *see* Nazarov, A. A.
Bauer-Grosse, E., *see* Bouzy, E.
Beale, M.: Uniform and filamentary transport in d.c. thin-film ZnS: Mn electroluminescent devices . . . . . 573 B

Becker, K. D.: Spectroscopic *in situ* studies of defect-dependent properties of transition metal oxides. Defects, diffusion, and reaction kinetics . . . . . 767 A
Beeli, C., and Nissen H.-U.: Growth morphology of icosahedral Al–Mn–Pd single quasicrystals . . . . . 487 B
Belov, A. Yu.: Scaling regimes and anomalies of wedge disclination stresses in anisotropic rotationally inhomogeneous media . . . . . 1215 A
Berger, C., *see* Sadoc, A.
Berrada, A., *see* Sassi, O.
Birringer, R., *see* Tschöpe, A.
Bleloch, A. L., *see* Müllejans, H.
Bonetti, E., and Valdre, G.: Anelastic and thermal properties of nanostructured aluminium prepared by mechanical attrition . . . . . 967 B
Bordoni, P. G., *see* Youssef, M. H.
Borgardt, N. I.: Use of quasi-Bloch wave packages for description of fast electron diffraction in a crystal with defects . . . . . 453 A
Bourbie, D.: Non-ohmic hopping conductivity in disordered systems . . . . 47 B
Bouzy, E., Bauer-Grosse, E., and Le Caër, G.: NaCl and filled Re_3B-type structures for two metastable chromium carbides . . . . . 619 B
Bristowe, P. D., *see* Lee, W.-Y.
Bursill, L. A., *see* Kasukabe, Y.

Cagnoli, G., Gammaitoni, L., Marchesoni, F., and Segoloni, D.: On dislocation damping at low frequencies . . . . . 865 A
Cai, H., *see* Guiberteau, F.
Calvayrac, Y., *see* Sadoc, A.
Cardellini, F., *see* Rosato, V.
Carsughi, F., *see* Albertini, G.
Carter, G., Nobes, M. J., and Katardjiev, I. V.: The production of repetitive surface features by oblique incidence ion bombardment . . . . . 231 B
Carter, G.: Grain evolution in two-phase systems . . . . . 1091 A
Casale, C., *see* Albertini, G.
Catlow, C. R. A., *see* Sayle, T. X. T.
Catlow, C. R. A., *see* Sesé, G.
Chadwick, A. V., and Francklin, A. J.: Thermoelectric power studies of bismuth oxide and mixed oxides based on bismuth oxide . . . . . 787 A
Chanel, L., *see* Meaudre, R.
Chattopadhyay, K., *see* Goswami, R.
Chaturvedi, M. C., *see* Zhang, Y. G.
Chen, F., *see* Gao, L.
Chen, F.-R., *see* Chen, W. J.
Chen, F.-R., *see* Chen, W.-J.
Chen, L. J., *see* Chen, W. J.
Chen, W. J., Chen. F.-R., and Chen, L. J.: High-resolution transmission electron microscopy study of twin-boundary structures in epitaxial $NiSi_2$ thin films . 151 A
Chen, W.-J., and Chen, F.-R.: The atomic structure of $\Sigma=1$ and $\Sigma=3$ $NiSi_2$/Si interfaces . . . . . 605 A
Cherns, D., *see* Grigorieff, N.
Chernyshov, E. G., *see* Teplov, V. A.
Chien, F.-R., Nutt, S. R., and Cummings, D.: Defect structures in single crystal TiC 325 A
Chou, C. T., and Hirsch, P. B.: Computer simulation of the motion of screw dislocations in Ni_3Al . . . . . 1097 A
Christian, J. W., *see* Sun, Y. Q.
Christova, K., *see* Szekeres, A.
Chu, C. W., *see* Gao, L.
Cleri, F., *see* Rosato, V.
Clougherty, D. P., *see* Eberhart, M. E.
Cockayne, D. J. H., *see* Korner, A.
Coey, J. M. D., *see* Thompson, S. M.

Colliex, C., *see* Gu, H.
Couzi, M., *see* Shastry, M. C. R.
Cowlam, N., *see* Baricco, M.
Crovini, G., *see* Demichelis, F.
Cummings, D., *see* Chien, F.-R.
Czernuszka, J. T., *see* Wilkinson, A. J.

D'Agostino, G.: Copper clusters simulated by a many-body tight-binding potential 903 B
Dai, M. X.: Author's reply. Response to the 'comment' on the convergent-beam electron diffraction study of the Burgers vector of quasicrystalline dislocations 279 L
Dallacasa, V.: Basis and applications of isothermal averaging in transport at low and high electric fields . . . . . 7 B
Danesh, P., *see* Szekeres, A.
Daniel, D., *see* Thompson, S. M.
Daulton, T. L., and Kelton, K. F.: The orthorhombic ($Al_{11}Mn_4$)–Pd decagonal approximant . . . . . 697 B
Dawson, S. J., *see* Thompson, S. M.
Daykin, A. C., and Kiely, C. J.: Direct observation of 1/2⟨110⟩ dislocations occurring at steps in thin film type-*B* $CoSi_2$//Si(111) interfaces . . . . . 1345 A
Daykin, A. C., and Kiely, C. J.: The variants, domains and defects in the CoSi//Si(111) epitaxial system . . . . . 1331 A
de Boissieu, M., *see* Audier, M.
Decamps, B., and Morton, A. J.: On the presence of fine matrix channels in Ni-based superalloys and their effect on shearing processes of γ' precipitates . . . 1129 A
Degand, C., *see* Donnadieu, P.
Degani, M. H., *see* Scalvi, L. V. A.
Demichelis, F., Crovini, G., Pirri, C. F., and Tresso, E.: Infrared vibrational spectra of hydrogenated amorphous and microcrystalline silicon–carbon alloys. A comparison of their structure . . . . . 329 B
Denquin, A., and Naka, S.: On the existence of transformation-induced antiphase boundaries in the γ-phase of two-phase TiAl-based alloys . . . . . 13 L
Devlen, R. I., Antoniadis, H., Schiff, E. A., and Tauc, J.: Hopping in exponential bandtails in high electric fields and transport models in amorphous silicon . 341 B
Dieckmann, R.: Point defects and transport in haematite ($Fe_2O_{3-\varepsilon}$). . . . 725 A
Dimiduk, D. M., *see* Rao, S. I.
Doi, M., and Miyazaki, T.: On the spinodal decomposition in zirconia–yttria (ZrO_2–Y_2O_3) alloys . . . . . 305 B
Donnadieu, P., and Degand, C.: Evidence of intermediate states between approximant crystal and quasicrystal . . . . . 317 B
Dovesi, R., *see* Mackrodt, W. C.
Dravid, V. P., *see* Kumta, P. N.
Duggan, B. J., *see* Lee, C. S.
Duine, P. A., *see* Sietsma, J.
Dunlap, R. A., *see* Yang, Z. J.
Durand-Charre, M., *see* Audier, M.

Eastman, J. A., Fitzsimmons, M. R., and Thompson, L. J.: Anomalous defect behaviour resulting from the hydriding of nanocrystalline palladium . . . . . 335 L
Eberhart, M. E., Clougherty, D. P., and MacLaren, J. M.: Charge density topology and its relationship to properties in intermetallic alloys . . . . . 455 B
Edagawa, K., *see* Koshikawa, N.
Enderby, J. E., *see* Fortner, J.
Enzo, S., *see* Baricco, M.
Erbudak, M., Hochstrasser, M., Schulthess, T., and Wetli, E.: Real-space imaging of surfaces by electron scattering in the kiloelectronvolt range . . . . . 179 L
Ernst, F.: Dissociation of misfit dislocation nodes in (111) GeSi/Si interfaces . . 1251 A
Esling, C., *see* Humbert, M.
Exelby, D. R., *see* Vincent, R.

Fagan, A., *see* Thompson, S. M.
Faress, A., Levade, C., and Vanderschaeve, G.: TEM *in situ* investigation of dislocation mobility in II–VI semiconductor compound ZnS. Cathodoplastic effect and the Peierls mechanism . . . . . 97 A
Feller-Kniepmeir, M., *see* Scheunemann-Frerker, G.
Feng, D., *see* Zheng, J. G.
Feng, J., Wang, R., and Wang, Z.: A new six-dimensional Burgers vector of dislocations in icosahedral quasicrystals determined by convergent-beam electron diffraction 321 L
Fermon, C., *see* Thompson, S. M.
Fiori, F., *see* Albertini, G.
Fischer, T., *see* Wang, F.
Fitzsimmons, M. R., *see* Eastman, J. A.
Fonda, R. W., and Luzzi, D. E.: High-resolution electron microscopy of the $\Sigma = 5[001](310)$ grain boundary in NiAl . . . . . 1151 A
Fortes, M. A.: Applicability of Aboav's rule to a three-dimensional Voronoi partition 69 L
Fortner, J., Saboungi, M.-L., and Enderby, J. E.: Electrical properties of an unusual liquid semiconductor: K–Te . . . . . 85 L
Fox, A. G.: Electron charge distribution of chromium . . . . . 275 B
Fox, A. G.: Is it feasible to determine the bonding charge density of stoichiometric γ-TiAl through structure factor measurements? . . . . . 29 L
Francklin, A. J., *see* Chadwick, A. V.
Franke, P., *see* Schulze, G. E. W.
Fraser, H. L., *see* Kad, B. K.
Frattini, R., *see* Baricco, M.
Fritzsche, H.: The origin of reversible and irreversible photostructural changes in chalcogenide glasses . . . . . 561 B
Froment, M., *see* Lincot, D.
Fujii, T., Moriyama, M., Kato, M., and Mori, T.: Growth of grain-boundary precipitates in Cu–Fe–Co bicrystals . . . . . 137 A
Funke, K.: Ion dynamics and correlations. Translational and localized ionic hopping motion in solid electrolytes . . . . . 711 A

Gammaitoni, L., *see* Cagnoli, G.
Gan, J., and Islam, D.: Photodarkening in glassy $(Ge_{0.95}Sn_{0.05}Se_2)_{1-x}Cu_x$ films . 529 B
Gao, L., Chen, F., Meng, R. L., Xue, Y. Y., and Chu, C. W.: Superconductivity up to 147K in $HgBa_2CaCu_2O_{6+\delta}$ under quasi-hydrostatic pressure . . . . . 345 L
Gao, Y., *see* Lee, W.-Y.
Gao, Y., Zhu, J., and Mikolla, D. E.: Transmission electron microscopy study of the microstructure and dislocation configuration in $Al_{67}Co_8Ti_{25}$ . . . . . 517 A
Gatto, M., *see* Kojima, M.
Gaviko, V. S., *see* Teplov, V. A.
Gaviko, V. S., *see* Yermakov, A. Ye.
Geldart, D. J. W., *see* Yang, Z. J.
Gleiter, H., *see* Höfler, H. J.
Goldie, D. M., Hepburn, A. R., Maud, J. M., and Marshall, J. M.: The influence of inter-oligomer separation distance on observed hopping mobilities in terthiophene-doped polycarbonate . . . . . 753 B
Gomes, M. A. F., and Melo, G. S. V.: Topological aspects in the plastic deformation of spherical bodies . . . . . 191 L
Gopinathan, K. P., *see* Rajaraman, R.
Goswami, R., and Chattopadhyay, K.: The superheating of Pb embedded in a Zn matrix. The role of interface melting . . . . . 215 L
Gregg, J. F., *see* Thompson, S. M.
Gregora, I., *see* Mareš, J. J.
Grieves, S. J., *see* Thompson, S. M.
Grigorieff, N., Cherns, D., Yates, M. J., Hockly, M., Perrin, S. D., and Aylett, M. R.: Electron microscopy of ultra-thin buried layers in InP and InGaAs . . . 121 A

Gu, H., Colliex, C., Senoussi, S., Aguillon-Levillain, C., and Manuel, P.: Generation and dissociation of dislocations in $YBa_2Cu_3O_{7-\delta}$ single crystals and deformed oriented powders . . . . . 19 A
Gudkov, V. V., and Tkach, A. V.: Magnetoacoustic oscillations in indium due to the frequency dispersion . . . . . 291 B
Guiberteau, F., Padture, N. P., Cai, H., and Lawn, B. R.: Indentation fatigue. A simple cyclic Hertzian test for measuring damage accumulation in polycrystalline ceramics . . . . . 1003 A
Gumen, L. N., *see* Krokhin, A. A.
Günther, B., Veltl, G., and Kunze, H.-D.: Preparation and thermal stability of nanocrystalline Cu alloys . . . . . 825 B
Gunther, S., *see* Morris, D. G.
Guo, W., *see* Martelli, S.
Guyot, P., *see* Menguy, N.

Haasen, P., *see* Hattenhauer, R.
Hahn, Y. D., *see* Whang, S. H.
Hammann, J., *see* Thompson, S. M.
Harburn, G., Tilley, R. J. D., and Williams, R. P.: The crystal chemistry of non-stoichiometric oxides with the low-temperature Ta_2O_5 structure . . . . 633 A
Harding, J. H., *see* Sayle, T. X. T.
Harrison, N. M., *see* Mackrodt, W. C.
Hattenhauer, R., and Haasen, P.: The decomposition kinetics of Cu–1 at.% Co at 823 K, studied by bright-field-zone-axis-incidence transmission electron microscopy . . . . . 1195 A
Hayakawa, T., *see* Saka, H.
Hazzledine, P. M., *see* Sun, Y. Q.
Heinonen, M. H., *see* Leiro, J. A.
Hellum, E., *see* Susegg, O.
Hemker, K. J., and Mills, M. J.: Measurements of antiphase boundary and complex stacking fault energies in binary and B-doped Ni_3Al using TEM . . . . 305 A
Henley, C. L., *see* Likos, C. N.
Hepburn, A. R., *see* Goldie, D. M.
Hiesgen, R., *see* Pezzotti, G.
Hirano, K.-I., *see* Iijima, Y.
Hirsch, P. B., *see* Chou, C. T.
Hirsch, P. B., *see* Wilkinson, A. J.
Hirth, J. P., *see* Jagannadham, K.
Hobbs, D., *see* Weaire, D.
Hochstrasser, M., *see* Erbudak, M.
Hockly, M., *see* Grigorieff, N.
Höfler, H. J., Averback, R. S., and Gleiter, H.: Diffusion of boron in nanocrystalline iron. A new type of diffusion kinetics: type C' . . . . . 99 L
Honda, Y., *see* Koshikawa, N.
Howie, A., *see* Müllejans, H.
Hu, J. J., and Ryder, P. L.: Twinned structure in $Al_{75}Cu_{10}Cr_{15}$ exhibiting decagonal symmetry . . . . . 389 B
Humbert, M., Zuo, L., Muller, J., and Esling, C.: Description of the elastic properties of polycrystals by means of irreducible spherical tensors . . . . . 575 A
Hurtado, J. A., and Weertman, J.: Dislocation density field–stress field relationships for non-uniform elastic–plastic deformation . . . . . 599 A

Iijima, Y., Lee, S.-Y., and Hirano, K.-I.: Diffusion of silicon, germanium and tin in β-titanium . . . . . 901 A
Inui, Y., *see* Nakaaki, I.
Islam, D., *see* Gan, J.
Islam, M. S.: Simulation studies of lithium intercalation in transition metal oxides 667 A

Jacobs, P. W. M., and Kotomin, E. A.: Defect energies for pure corundum and for corundum doped with transition metal ions . . . . . 695 A
Jacobs, P. W. M., *see* Kotomin, E. A.
Jagannadham, K., Armstrong, R. W., and Hirth, J. P.: Deformation twinning in high-hydrogen-solubility refractory alloy crystals . . . . . 429 A
James, R. D., and Kinderlehrer, D.: Theory of magnetostriction with applications to $Tb_xDy_{1-x}Fe_2$ . . . . . 237 B
Jiang, H., *see* Yang, Z. J.
Jiang, N., and Sun, Y. Q.: Antiphase-domain-boundary tubes in Ni_3Ga involving secondary slip . . . . . 107 L
Johansen, A., *see* Johnson, E.
Johnson, E., Johansen, A., Thoft, N. B., Andersen, H. H., and Sarholt-Kristensen, L.: Nanosized f.c.c. thallium inclusions in aluminium . . . . . 131 L
Jones, I. P., *see* Ngan, A. H. W.

Kad, B. K., and Fraser, H. L.: Observations of ⟨100] dislocations in 1/2⟨112] reacted dislocation networks in lamellar TiAl subboundaries . . . . . 21 L
Kanda, H., *see* Lawson, S. C.
Kapinos, V. G., and Bacon, D. J.: A model for the formation mechanism of depleted zones with a high concentration of vacancies in displacement cascades in metals 1165 A
Karlsson, K. H., *see* Leiro, J. A.
Kasukabe, Y., Yamada, Y., Lin, P. J., and Bursill, L. A.: Structure analysis of {1$\bar{1}$01} twins in evaporated titanium thin films . . . . . 587 A
Katardjiev, I. V., *see* Carter, G.
Kato, H., *see* Kojima, M.
Kato, M., and Mori, T.: Internal friction of copper bicrystals with [001] twist boundaries . . . . . 939 A
Kato, M., *see* Fujii, T.
Kelton, K. F., *see* Daulton, T. L.
Kenway, P. R.: Calculated stacking-fault energies in α-Al_2O_3 . . . . . 171 B
Kettunen, P., *see* Ruuskanen, P.
Kiely, C. J., *see* Daykin, A. C.
Kikineshi, A., *see* Marjan, M.
Kinderlehrer, D., *see* James, R. D.
Kirk, M. A., *see* Robertson, I. M.
Kirk, M. A., *see* Vetrano, J. S.
Knobel, M., *see* Allia, P.
Knobel, M., Sinnecker, J. P., Saenger, J. F., and Sato Turtelli, R.: Effect of as-cast topological disorder on the magnetic properties of nanocrystalline $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ . . . . . 861 B
Koch, R.: Temperature-dependent solute segregation in dilute Cu–Be under self-ion irradiation: a quantitative revision . . . . . 1045 A
Kojima, M., Kato, H., and Gatto, M.: Blackening of tin oxide thin films heavily doped with antimony . . . . . 215 B
Kong, Q. P., and Li, Y.: Investigation of the climb of extended dislocations during high-temperature creep . . . . . 113 A
Korner, A., Cockayne, D. J. H., and Sun, Y. Q.: Use of weak Bragg reflections for analysing superlattice dislocations in $Ni_3(Al, Ti)$ . . . . . 993 A
Koshikawa, N., Edagawa, K., Honda, Y., and Takeuchi, S.: Formation of three types of quasicrystal in the Al–Pd–Mg system . . . . . 123 L
Kotomin, E. A., Puchin, V. E., and Jacobs, P. W. M.: A theoretical study of H-centre migration in alkali halide crystals KCl and NaCl . . . . . 1359 A
Kotomin, E. A., *see* Jacobs, P. W. M.
Koyama, T., *see* Miyazaki, T.
Kramer, B., *see* Markoš, P.
Krištofik, J., *see* Mareš, J. J.
Krokhin, A. A., Gumen, L. N., Lebedev, V. P., and Krylovskii, V. S.: Electron dislocation drag in thin metal samples . . . . . 381 B

Krötz, G., *see* Ruttensperger, B.
Krylovskii, V. S., *see* Krokhin, A. A.
Kumta, P. N., Dravid, V. P., and Risbud, S. H.: Structural characterization of chemically synthesized cubic lanthanum sulphide (γ-La_2S_3) . . . . . 67 B
Kunze, H.-D., *see* Günther, B.
Kuznietz, M., Pinto, H., and Melamud, M.: Note on the magnetism of UCu_2Ge_2 . 195 B
Kwon, T.-H.: Temperature and pressure variations of the elastic constants of KBr . 663 B

La Monaca, A., *see* Albertini, G.
La Violette, R. A., *see* Stump, D. M.
Lakhtakia, A.: A note on the first-order Born approximation for scattering by defects in crystals . . . . . 1 B
Lambrigger, M.: Microstructure and mechanical properties of Ni–11·8 at.% Ti single crystals . . . . . 349 A
Langford, J. I., *see* Rand, M.
Lauwerens, W., *see* Öktü, Ö.
Lawn, B. R., *see* Guiberteau, F.
Lawson, S. C., Kanda, H., and Sekita, M.: New nickel-related optical absorption in high-pressure synthetic diamond . . . . . 39 B
Le Caër, G., *see* Bouzy, E.
Lebedev, V. P., *see* Krokhin, A. A.
Lee, C. S., Duggan, B. J., and Smallman, R. E: Deformation banding in copper . 185 L
Lee, S.-Y., *see* Iijima, Y.
Lee, W.-Y., Bristowe, P. D., Gao, Y., and Merkle, K. L.: The atomic structure of twin boundaries in rutile . . . . . 309 L
Lefebvre, A., *see* Ulhaq-Bouillet, C.
Leiro, J. A., Heinonen, M. H., Werfel, F., Nordström, E. G., and Karlsson, K. H.: X-ray photoemission study of $NaCuO_2$ . . . . . 153 L
Levade, C., *see* Faress, A.
Levasseur, A., *see* Shastry, M. C. R.
Li, Q., *see* Zhang, J. G.
Li, Y., *see* Kong, Q. P.
Li, Z. C., and Whang, S. H.: Planar defects in {113} planes of $L1_0$ type TiAl. Their structures and energies . . . . . 169 A
Likos, C. N., and Henley, C. L.: Complex alloy phases for binary hard-disc mixtures 85 B
Lin, P. J., *see* Kasukabe, Y.
Lincot, D., Ortega-Borges, R., and Froment, M.: High-resolution transmission electron microscopy study of chemically deposited cadmium sulphide thin films from aqueous ammonia solutions . . . . . 185 B
Liu, Z. G., *see* Zheng, J. G.
Lockyer, R., Rice-Evans, P., and Smith, C.: Positron annihilation study of diamond-like carbon films . . . . . 167 L
Long, N. J., *see* Wilkinson, A. J.
Long, Q. Y., Wen, Y. H., Zhu, Z., Zhang, X. M., Mu, Z. Q., and Lung, C. W.: Sierpinski fractal description of the martensitic transformation . . . . . 885 A
Loretto, M. H., *see* Zhang, X. D.
Lu, G.: Ar^+-ion milling of II–VI semiconducting materials . . . . . 1 L
Lung, C. W., *see* Long, Q. Y.
Luton, M. J., *see* Peczak, P.
Luton, M. J., *see* Susegg, O.
Luzzi, D. E., *see* Fonda, R. W.

Mackrodt, W. C., Harrison, N. M., Saunders, V. R., Allan, N. L., Towler, M. D., Aprà, E., and Dovesi, R.: *Ab initio* Hartree–Fock calculations of CaO, VO, MnO and NiO . . . . . 653 A
MacLaren, J. M., *see* Eberhart, M. E.
Macrì, P. P., *see* Baricco, M.
Magini, M., *see* Martelli, S.

Mai, Y.-W., *see* Zhou, L.-M.
Malizia, F., and Ronconi, F.: Nucleation-and-growth process in $Fe_{80}B_{20}$ amorphous alloys . . . . . 869 B
Manuel, P., *see* Gu, H.
Marchesoni, F., *see* Cagnoli, G.
Mareš, J. J., Krištofik, J., and Gregora, I.: Remarks concerning the structure of porous silicon . . . . . 353 L
Marjan, M., Kikineshi, A., and Mishak, A.: Photoinduced instabilities in chalcogenide glasses for optical recording media . . . . . 689 B
Markoš, P., and Kramer, B.: Statistical properties of the Anderson transition. Numerical results . . . . . 357 B
Marshall, J. M., *see* Goldie, D. M.
Martelli, S., Guo, W., Magini, M., Padella, F., and Zedda, D.: X-ray diffraction study on the amorphization of the $Pd_{80}Si_{20}$ powder mixture by mechanical alloying 833 B
Martin, M., *see* Schmackpfeffer, R.
Masumoto, T., *see* Nakajima, H.
Matteazzi, P., *see* Miani, F.
Maud, J. M., *see* Goldie, D. M.
Maurice, J.-L.: Electrical activity and microstructure of a faceted $(\bar{1}11)$-$(1\bar{1}2)$, $\Sigma = 3$ twin boundary in aluminium-doped silicon . . . . . 951 A
Mazzone, G., Montone, A., and Antisari, M. V.: Effect of multiple deformations on the amorphization of Ni–Zr diffusion couples . . . . . 891 B
Meaudre, M., *see* Meaudre, R.
Meaudre, R., Vignoli, S., Meaudre, M., and Chanel, L.: Kinetics of defect creation in hydrogenated amorphous silicon by light pulses . . . . . 159 L
Melamud, M., *see* Kuznietz, M.
Melo, G. S. V., *see* Gomes, M. A. F.
Mendiratta, M. G., *see* Rao, S. I.
Ménétrier, M., *see* Shastry, M. C. R.
Meng, R. L., *see* Gao, L.
Menguy, N., Audier, M., Guyot, P., and Vacher, M.: Pentagonal phases as a transient state of the reversible icosahedral–rhombohedral transformation in Al–Fe–Cu 595 B
Merkle, K. L., *see* Lee, W.-Y.
Miani, F., and Matteazzi, P.: Entropy approach to the viscosity of undercooled metallic melts. Implications to the free-energy extrapolation . . . . . 897 B
Mikolla, D. E., *see* Gao, Y.
Mills, M. J., *see* Hemker, K. J.
Mishak, A., *see* Marjan, M.
Mishra, R. S., Singh, A. K., and Roy, T.: Creep of an Al–Co–Cu quasicrystal . . 225 L
Mitchler, P. D., Roshko, R. M., and Ruan, W.: Non-equilibrium relaxation dynamics in the spin glass and ferromagnetic phases of *Cr*Fe . . . . . 539 B
Mitsui, K., and Takahashi, M.: Change in electrical resistivity during continuous heating in ordered and disordered Cu–15 at.% Pd alloys . . . . . 137 L
Miyazaki, T., and Koyama, T.: Energy analysis of the kinetic path of diffusion-controlled phase transformations . . . . . 891 A
Miyazaki, T., *see* Doi, M.
Mizutani, H., *see* Saka, H.
Montone, A., *see* Mazzone, G.
Mori, T., *see* Fujii, T.
Mori, T., *see* Kato, M.
Moriyama, M., *see* Fujii, T.
Morris, D. G., and Gunther, S.: Dislocation dissociation in cubic Al_3Ti alloys . 81 A
Morris, M. A.: Dislocation configurations in two phase TiAl alloys. I. Annealed and indented structures . . . . . 237 A
Morris, M. A.: Dislocation configurations in two phase TiAl alloys. II. Structures after compression . . . . . 259 A
Morton, A. J., *see* Decamps, B.
Mott, N. F.: Spin-gap effects in the resistivity of copper oxide superconductors . 245 L

Mott, N. F.: The bipolaron model of high-T_c superconductivity: a discussion of overdoping . . . . . 247 L
Mott, P. H., Argon, A. S., and Suter, U. W.: Atomistic modelling of cavitation of glassy polymers . . . . . 537 A
Moya, G., *see* Sassi, O.
Mu, Z. Q., *see* Long, Q. Y.
Mukherjee, A. K., *see* Zelin, M. G.
Mulheran, P. A.: Crack networks in thin films . . . . . 63 L
Mulheran, P. A.: Structural calculations of oxide surfaces at finite temperature . 799 A
Müllejans, H., Bleloch, A. L., Howie, A., and Walsh, C. A.: Secondary-electron emission from magnesium oxide . . . . . 145 L
Müller, G., *see* Ruttensperger, B.
Muller, J., *see* Humbert, M.
Müller, L., *see* Scheunemann-Frerker, G.
Murch, G. E., *see* Qin, Z.
Muschik, T., *see* Wang, F.
Musci, M., *see* Albertini, G.
Mushnikov, N. V., *see* Yermakov, A. Ye.

Nagels, P., *see* Tichý, L.
Naka, S., *see* Denquin, A.
Nakaaki, I., Saito, N., Inui, Y., Yoshioka, S., and Nakamura, S.: Enhancement of photoconductivity in r.f. glow-discharge-deposited a-SiC:H films doped with nitrogen . . . . . 55 B
Nakajima, H., Asai, J., Nonaka, K., Shinbo, I., Tsai, A. P., and Masumoto, T.: Self-diffusion of manganese in Al–Pd–Mn icosahedral quasicrystals . . . . 315 L
Nakamura, E., *see* Saka, H.
Nakamura, M., *see* Saka, H.
Nakamura, S., *see* Nakaaki, I.
Narayan, J., *see* Tiwari, P.
Nazarov, A. A., and Romanov, A. E.: Stress fields of disordered dislocation arrays: finite walls . . . . . 297 L
Nazarov, A. A., Romanov, A. E., and Baudelet, B.: Long-range stress fields of disordered dislocation arrays: two types of disorder, and two decay laws . . 303 L
Nemoto, M., *see* Tian, W. H.
Ngan, A. H. W., and Jones, I. P.: The use of superlattice reflections for weak beam microscopy . . . . . 525 A
Ngan, A. H. W., Jones, I. P., and Smallman, R. E.: Reactions of cube dislocations in the $L1_2$ intermetallic compound Fe_3Ge . . . . . 977 A
Nikolaichik, V. I.: Self-developing processes in metal fluorides under a focused electron beam . . . . . 227 A
Nishida, T., *see* Pezzotti, G.
Nissen, H.-U., *see* Beeli, C.
Nobes, M. J., *see* Carter, G.
Nonaka, K., *see* Nakajima, H.
Nordström, E. G., *see* Leiro, J. A.
Nutt, S. R., *see* Chien, F.-R.

O'Grady, K., *see* Thompson, S. M.
Ojima, K., and Takasaki, A.: High-resolution electron microscopy of the grey–white-tin interface . . . . . 237 L
Okamoto, Y., *see* Pezzotti, G.
Öktü, Ö., Tolunay, H., Adriaenssens, G. J., Baranovskii, S. D., and Lauwerens, W.: Electron drift mobility in hydrogenated amorphous $Si_{1-x}C_x$ with a low carbon content . . . . . 173 L
Olsen, A., *see* Susegg, O.

Omini, M., and Sparavigna, A.: Thermal conductivity of rare gas crystals. The role of three-phonon processes . . . . . 767 B
Ortega-Borges, R., *see* Lincot, D.
Ounadjela, K., *see* Thompson, S. M.

Padella, F., *see* Martelli, S.
Padture, N. P., *see* Guiberteau, F.
Park, J.-G.: Studies of (Ce, U)Al_2 alloys. Resistivity and susceptibility measurements 653 B
Parker, S. C., *see* Sayle, T. X. T.
Pastore, G., *see* Tatlipinar, H.
Peczak, P., and Luton, M. J.: The effect of nucleation models on dynamic recrystallization. I. Homogeneous stored energy distribution . . . . . 115 B
Perrin, S. D., *see* Grigorieff, N.
Pezzotti, G., Hiesgen, R., and Nishida, T.: Characterization by atomic-force microscopy of nanometre-scale plastic damage in SiC single crystals after being sintered by hot isostatic pressing . . . . . 45 L
Pezzotti, G., Okamoto, Y., and Nishida, T.: Subcritical crack growth in polycrystalline silicon nitride . . . . . 283 L
Pilugin, V. P., *see* Teplov, V. A.
Pinto, H., *see* Kuznietz, M.
Pirri, C. F., *see* Demichelis, F.
Pollak, M., *see* Talamantes, J.
Puchin, V. E., *see* Kotomin, E. A.
Purdy, G. R., *see* Zhang, W.-Z.

Qin, Z., and Murch, G. E.: Computer simulation of collective correlation effects for diffusion in a random alloy . . . . . 819 A
Qin, Z., and Murch, G. E.: Computer simulation of tracer diffusion in a binary ordered alloy with an equilibrium concentration of vacancies . . . . . 831 A
Qin, Z., and Murch, G. E.: Impurity correlation factors and their relationship to the isotope effect in a binary ordered alloy . . . . . 677 B

Rajaraman, R., Amarendra, G., Viswanathan, B., and Gopinathan, K. P.: Effect of internal pressure on helium bubble growth in palladium . . . . . 257 L
Rand, M., Langford, J. I., and Abell, J. S.: Domain size modelling in $YBa_2Cu_3O_{7-\delta}$ powders and powdered single crystals by means of X-ray diffraction . . 17 B
Rao, S. I., Dimiduk, D. M., and Mendiratta, M. G.: Anisotropic analysis of dislocation line energies and possible dislocation core dissociations in $MoSi_2$ . . . . 1295 A
Reller, A.: Chemical and physical implications of cationic and anionic modifications in perovskite related metal oxides . . . . . 641 A
Rice-Evans, P., *see* Lockyer, R.
Rickerby, D. G.: Microdiffraction studies of nanocrystalline nitride films . . 939 B
Risbud, S. H., *see* Kumta, P. N.
Robertson, I. M., *see* Vetrano, J. S.
Robertson, I. M., Tappin, D. K., and Kirk, M. A.: The role of melting temperature and electron–phonon coupling in the formation of clustered vacancy defects from heavy-ion-generated displacement cascades . . . . . 843 A
Romanov, A. E., *see* Nazarov, A. A.
Ronconi, F., *see* Malizia, F.
Rosato, V., Cardellini, F., and Cleri, F.: Phase stability of Ni–Al solid solutions . 845 B
Roshko, R. M., *see* Mitchler, P. D.
Roy, T., *see* Mishra, R. S.
Ruan, W., *see* Mitchler, P. D.
Ruttensperger, B., Müller, G., and Krötz, G.: Density-of-state distribution and variable-range hopping transport in amorphous silicon prepared by ion bombardment . . . . . 203 B

Ruuskanen, P., and Kettunen, P.: Dependence of the high-frequency components of the magnetoelastic voltage on plastic deformation and stress amplitude during stepwise cyclic stressing of ferromagnetic material . . . . . 1233 A
Ryder, P. L., *see* Hu, J. J.

Sabougni, M.-L., *see* Fortner, J.
Sadoc, A., Berger, C., and Calvayrac, Y.: Structural analysis of quasicrystals and approximants in AlCu(Ru, Fe) systems . . . . . 475 B
Saenger, J. F., *see* Knobel, M.
Saito, N., *see* Nakaaki, I.
Saka, H., Hayakawa, T., Nakamura, M., Mizutani, H., and Nakamura, E.: Plasticity of single crystals of Fe_2(Dy, Tb) Laves phase at high temperatures . . . . 871 A
Salleh, M. D., *see* Saunders, G. A.
Sano, T., *see* Tian, W. H.
Santa Cruz, C., Baltá Calleja, F. J., Asano, T., and Ward, I. M.: Plastic deformation in polyethylene crystals studied by microindentation hardness . . . . . 209 A
Sarholt-Kristensen, L., *see* Johnson, E.
Sassi, O., Aride, J., Berrada, A., and Moya, G.: Analysis of isochronal calorimetric measurements of point defect elimination in a quenched $Co_{48}Ga_{52}$ intermetallic compound . . . . . 53 L
Sato Turtelli, R., *see* Knobel, M.
Saunders, G. A., and Salleh, M. D.: Linear and nonlinear elastic properties of antiferromagnetic γ-manganese–nickel alloys . . . . . 437 B
Saunders, V. R., *see* Mackrodt, W. C.
Saux, G., *see* Thompson, S. M.
Sayle, D. C., *see* Sayle, T. X. T.
Sayle, T. X. T., Catlow, C. R. A., Sayle, D. C., Parker, S. C., and Harding, J. H.: Computer simulation of thin film heteroepitaxial ceramic interfaces using a near-coincidence-site lattice theory . . . . . 565 A
Scalvi, L. V. A., and Degani, M. H.: Substitutional donor related states and Au/Ge/Ni contacts to $Al_xGa_{1-x}As$ . . . . . 727 B
Scheunemann-Frerker, G., Müller, L., and Feller-Kniepmeier, M.: Misfit dislocations in two phase superalloys with high volume fraction of the ordered phase . . 193 A
Schiff, E. A., *see* Devlen, R. I.
Schiffini, L., *see* Baricco, M.
Schmackpfeffer, R., and Martin, M.: Tracer diffusion and defect structure in Ga-doped CoO . . . . . 747 A
Schryvers, D.: Microtwin sequences in thermoelastic Ni_xAl_{100-x} martensite studied by conventional and high-resolution transmission electron microscopy . . . 1017 A
Schulthess, T., *see* Erbudak, M.
Schulze, G. E. W., Schwan, L. O., and Franke, P.: The mean normalized Euler characteristic of a simultaneously starting and growing 2D Voronoi tessellation with Poisson-distributed nuclei . . . . . 149 B
Schwan, L. O., *see* Schulze, G. E. W.
Schwarz, R., *see* Wang, F.
Segolini, D., *see* Cagnoli, G.
Sekita, M., *see* Lawson, S. C.
Senoussi, S., *see* Gu, H.
Sereni, J. G., and Trovarelli, O.: Enhanced superconductivity in Zr–Ce dilute alloys 231 L
Sesé, G., and Catlow, C. R. A.: A molecular dynamics study of pristine and doped polyacetylene . . . . . 397 B
Shastry, M. C. R., Couzi, M., Levasseur, A., and Ménétrier, M.: Raman spectroscopic studies of As_2S_3 and Li_2S–As_2S_3 glasses . . . . . 551 B
Shen, G. J., *see* Zheng, J. G.
Shimizu, K., *see* Skeldon, M.
Shinbo, I., *see* Nakajima, H.
Shiryaev, S. Yu.: Self-adjustment of misfit dislocations in compositionally graded $Si_{1-x}Ge_x$ layers . . . . . 195 L

Sietsma, J., Duine, P. A., and van den Beukel, A.: Structural relaxation in amorphous PdNiP. Chemical and topological ordering . . . . . 913 B
Sigle, W.: Structure refinement of quasicrystalline $Al_{62}Cu_{20}Co_{15}Si_3$ by electron channelling . . . . . 39 L
Simons, A. J., and Thomas, C. B.: Mechanism of electronic conduction through thin film ZnS:Mn . . . . . 465 B
Singh, A. K., *see* Mishra, R. S.
Singh, R., *see* Tiwari, P.
Sinnecker, J. P., *see* Knobel, M.
Skeldon, M., Skeldon, P., Thompson, G. E., Wood, G. C., and Shimizu, K.: Formation of barrier anodic films on aluminium in antimonate electrolyte . . . . 787 B
Skeldon, P., *see* Skeldon, M.
Sleeckx, E., *see* Tichý, L.
Smallman, R. E., *see* Lee, C. S.
Smallman, R. E., *see* Ngan, A. H. W.
Smith, C., *see* Lockyer, R.
Smrčka, V., *see* Tichý, L.
Sparavigna, A., *see* Omini, M.
Spence, J. C. H., *see* Zuo, J. M.
Staddon, C. R., *see* Thompson, S. M.
Stagni, L.: Edge dislocation near an elliptic inhomogeneity with either an adhering or a slipping interface. A comparative study . . . . . 49 A
Stobbs, W. M., *see* Williams, E. J.
Stubican, V. S.: Diffusion of isotopes in surface layers of some oxides . . . . 809 A
Stump, D. M., and La Violette, R. A.: Effects of shear stresses on crack-growth microstructures in transformation-toughened ceramics . . . . . 35 A
Suenaga, M., *see* Zhu, Y.
Sun, Y. Q., Hazzledine, P. M., and Christian, J. W.: Intersections of deformation twins in TiAl. I. Experimental observations . . . . . 471 A
Sun, Y. Q., Hazzledine, P. M., and Christian, J. W.: Intersections of deformation twins in TiAl. II. Models and analyses . . . . . 495 A
Sun, Y. Q., *see* Jiang, N.
Sun, Y. Q., *see* Korner, A.
Susegg, O., Hellum, E., Olsen, A., and Luton, M. J.: HREM study of dispersoids in cryomilled oxide dispersion strengthened materials . . . . . 367 A
Suter, U. W., *see* Mott, P. H.
Szekeres, A., Christova, K., and Danesh, P.: Oxidation of a-Si:H. Stress behaviour in the grown oxide . . . . . 29 B

Takahashi, M., *see* Mitsui, K.
Takasaki, A., *see* Ojima, K.
Takasugi, T., *see* Yoshida, M.
Takeuchi, S., *see* Koshikawa, N.
Talamantes, J., and Pollak, M.: Onset of nonlinear hopping conduction in *R*-percolation . . . . . 639 B
Tanaka, K., Yoshida, N., and Yamaoka, Y.: Photo-induced chemical modification in Ag–As–S glasses . . . . . 81 L
Tappin, D. K., *see* Robertson, I. M.
Tatlipinar, H., Pastore, G., and Tosi, M. P.: Structure of ionic fluids in equilibrium with a microporous ionic matrix . . . . . 357 L
Tauc, J., *see* Devlen, R. I.
Teplov, V. A., Pilugin, V. P., Gaviko, V. S., and Chernyshov, E. G.: Non-equilibrium solid solution and nanocrystal structure of Fe–Cu alloy after plastic deformation under pressure . . . . . 877 B
Thoft, N. B., *see* Johnson, E.
Thomas, C. B., *see* Simons, A. J.
Thompson, G. E., *see* Skeldon, M.
Thompson, L. J., *see* Eastman, J. A.

Thompson, S. M., Gregg, J. F., Staddon, C. R., Daniel, D., Dawson, S. J., Ounadjela, K., Hammann, J., Fermon, C., Saux, G., O'Grady, K., Grieves, S. J., Coey, J. M. D., and Fagan, A.: Giant magnetoresistance of cobalt–silver metastable alloys prepared by sputtering and mechanical alloying . . . . . 923 B
Tian, W. H., Sano, T., and Nemoto, M.: Structure of perovskite carbide and nitride precipitates in $L1_0$-ordered TiAl . . . . . 965 A
Tiberto, P., *see* Allia, P.
Tichá, H., *see* Tichý, L.
Tichý, L., Smrčka, V., Tichá, H., Sleeckx, E., and Nagels, P.: On the origin of photo-induced and thermally induced irreversible bleaching of amorphous Ge–Se films 73 L
Tilley, R. J. D., *see* Harburn, G.
Tiwari, P., Singh, R., and Narayan, J.: Evaluation of physical and electrical properties of $CoSi_2$ thin films on (100)Si grown by pulsed laser deposition . . . . 413 B
Tkach, A. V., *see* Gudkov, V. V.
Tolunay, H., *see* Öktü, Ö.
Tosi, M. P., *see* Tatlipinar, H.
Towler, M. D., *see* Mackrodt, W. C.
Tresso, E., *see* Demichelis, F.
Trovarelli, O., *see* Sereni, J. G.
Tsai, A. P., *see* Nakajima, H.
Tschöpe, A., and Birringer, R.: On the origin of enhanced specific heat in nano-crystalline platinum . . . . . 223 B

Ulhaq-Bouillet, C., and Lefebvre, A.: On the formation of edge dislocations in $In_xGa_{1-x}As/GaAs$ heterostructures with $x = 0{\cdot}20$ . . . . . 1273 A
Urban, K., *see* Wollgarten, M.

Vacher, M., *see* Menguy, N.
Valdre, G., *see* Bonetti, E.
van den Beukel, A., *see* Sietsma, J.
Vanderschaeve, G., *see* Faress, A.
Veltl, G., *see* Günther, B.
Vetrano, J. S., Robertson, I. M., and Kirk, M. A.: Effect of dilute solute additions on loop formation from heavy-ion produced displacement cascades in Ni . . 381 A
Vignoli, S., *see* Meaudre, R.
Vinai, F., *see* Allia, P.
Vincent, R., and Exelby, D. R.: Structure of a metastable Al–Ge phase determined from large angle CBED patterns . . . . . 513 B
Viswanathan, B., *see* Rajaraman, R.

Walsh, C. A., *see* Müllejans, H.
Wang, F., Fischer, T., Muschik, T., and Schwarz, R.: Characterization of interface properties in a-Si:H/a-Si_xC_{1-x}:H multilayers by the constant photocurrent method . . . . . 737 B
Wang, R., *see* Feng, J.
Wang, R., *see* Yan, Y.
Wang, Z., *see* Feng, J.
Ward, I. M., *see* Santa Cruz, C.
Weaire, D.: On the motion of vertices in two-dimensional grain growth . . . 93 L
Weaire, D. and Glazier, J. A.: Relation between volume, number of faces and three dimensional growth laws in coarsening cellular patterns . . . . . 363 L
Weaire, D., and Hobbs, D.: Electrons and holes in amorphous silicon . . . 265 L
Weertman, J., *see* Hurtado, J. A.
Welch, D. O., *see* Zhu, Y.
Wen, Y. H., *see* Long, Q. Y.
Werfel, F., *see* Leiro, J. A.
Wetli, E., *see* Erbudak, M.
Whang, S. H., and Hahn, Y. D.: Formation of dislocation loop at 800°C in $L1_0$ $Ti_{35}Al_{55}V_{10}$ compound . . . . . 183 A

Whang, S. H., *see* Li, Z. C.
Wilkinson, A. J., Anstis, G. R., Czernuszka, J. T., Long, N. J., and Hirsch, P. B.: Electron channelling contrast imaging of interfacial defects in strained silicon–germanium layers on silicon . . . . . 59 A
Williams, E. J., and Stobbs, W. M.: Spatial variations in the oxygen content of $YBa_2Cu_3O_{7-\delta}$ epitaxially deposited on MgO as assessed using a transmission electron microscopy moiré method . . . . . 1 A
Williams, R. P., *see* Harburn, G.
Wollgarten, M., and Urban, K.: Comment on 'Convergent-beam electron diffraction study of the Burgers vector of dislocations in icosahedral Al–Cu–Fe alloy' . 273 L
Wood, G. C., *see* Skeldon, M.

Xu, G.: Non-Arrhenius temperature dependence of conductivities in amorphous systems . . . . . 285 B
Xue, Y. Y., *see* Gao, L.

Yamada, Y., *see* Kasukabe, Y.
Yamaoka, Y., *see* Tanaka, K.
Yan, Y., and Wang, R.: A transmission electron microscopy study of a dislocation dipole and dislocation pairs in an $Al_{70}Co_{15}Ni_{15}$ decagonal quasicrystal . . 1033 A
Yang, Z. J., Geldart, D. J. W., Dunlap, R. A., and Jiang, H.: Confined motion of a magnetic dipole in an infinite rectangular hole through a superconductor . 713 B
Yates, M. J., *see* Grigorieff, N.
Yermakov, A. Ye., Mushnikov, N. V., Zajkov, N. K., Gaviko, V. S., and Barinov, V. A.: Magnetic and magnetoelastic properties of amorphous and crystalline $TbFe_2H_x$ hydrides . . . . . 883 B
Yoshida, M., and Takasugi, T.: Transmission electron microscopy study of the activated slip systems and the dislocation structures in B2-type CoZr and CoHf polycrystals . . . . . 401 A
Yoshida, N., *see* Tanaka, K.
Yoshioka, S., *see* Nakaaki, I.
Youssef, M. H., and Bordoni, P. G.: Dislocation relaxation in cobalt and cadmium polycrystals . . . . . 1315 A

Zajkov, N. K., *see* Yermakov, A. Ye.
Zedda, D., *see* Martelli, S.
Zelin, M. G., and Mukherjee, A. K.: Analysis of the cooperative grain boundary sliding in terms of cellular dislocations . . . . . 1183 A
Zelin, M. G., and Mukherjee, A. K.: Common features of intragranular deformation slip and intergranular sliding . . . . . 207 L
Zelin, M. G., and Mukherjee, A. K.: Deformation strengthening of grain-boundary sliding in a Pb–62 wt.% Sn alloy . . . . . 201 L
Zhang, H., *see* Zhu, Y.
Zhang, W.-Z., and Purdy, G. R.: O-lattice analyses of interfacial misfit. I. General considerations . . . . . 279 A
Zhang, W.-Z., and Purdy, G. R.: O-lattice analyses of interfacial misfit. II. Systems containing invariant lines . . . . . 291 A
Zhang, X. D., and Loretto, M. H.: Defect analysis in massively transformed Ti–50 at.% Al–2 at.% Nb–2 at.% Mn alloy . . . . . 289 L
Zhang, X. F.: Identification of the interface between a $SrTiO_3$ (001) substrate and a $Bi_2Sr_2CaCu_2O_x$ superconducting thin film . . . . . 117 L
Zhang, X. M., *see* Long, Q. Y.
Zhang, Y. G., and Chaturvedi, M. C.: Deformation twinning intersections in a γ-TiAl-based Ti–50 at.% Al–2 at.% Mn–1 at.% Nb alloy deformed at room temperature 915 A
Zhao, L., and Baker, I.: Order and recrystallization in deformed Fe–70 at.% Co . 327 L
Zheng, J. G., Liu, Z. G., Li, Q., Feng, D., and Shen, G. J.: The grain boundary structure between the β-precipitates in Ni–12 at.% Be alloy . . . . . 1039 A

Zhou, L.-M., and Mai, Y.-W.: A new model for evaluation of the interfacial friction coefficient and residual clamping stress in a fibre-push-out test . . . . 5 L
Zhu, J., *see* Gao, Y.
Zhu, Y., Zhang, H., Suenaga, M., and Welch, D. O.: Planar defects induced by heavy-ion irradiation . . . . . 1079 A
Zhu, Z., *see* Long, Q. Y.
Zuo, J. M., and Spence, J. C. H.: Coherent electron nanodiffraction from perfect and imperfect crystals . . . . . 1055 A
Zuo, L., *see* Humbert, M.